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- #4 simulat and machine-tool and amplitude-frequency
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- #6 (simulat* and machine-tool and amplitude-frequency<IN>metadata)
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- #8 (simulat* and machine-tool and amplitude-frequency<IN>metadata)



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» Key

IEEE JNL IEEE Journal or Magazine

IEE JNL IEE Journal or Magazine

IEEE CNF IEEE Conference Proceeding

IEE CNF IEE Conference Proceeding

IEEE STD IEEE Standard

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1. Dynamic characterization of hysteresis elements in mechanical systems

Symens, W.; Al-Bender, F.; Swevers, J.; Van Brussel, H.;

[American Control Conference, 2002. Proceedings of the 2002](#)

Volume 5, 8-10 May 2002 Page(s):4129 - 4134 vol.5

Digital Object Identifier 10.1109/ACC.2002.1024577

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1. **Experiments and numerical results on non-linear vibrations of an impacting Hertzian contact. Part 1: harmonic excitation • ARTICLE**
Journal of Sound and Vibration, Volume 265, Issue 2, 7 August 2003, Pages 289-307
 E. Rigaud and J. Perret-Liaudet
[SummaryPlus](#) | [Full Text + Links](#) | [PDF \(394 K\)](#)

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Best 200 shown

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1 [Generation of swept volumes of toroidal endmills in five-axis motion using space](#)


[curves](#)

David Roth, Sanjeev Bedi, Fathy Ismail

 June 1999 **Proceedings of the fifth ACM symposium on Solid modeling and applications**

Publisher: ACM Press

 Full text available: [pdf\(669.92 KB\)](#) Additional Information: [full citation](#), [references](#), [index terms](#)
Keywords: 5-axis, machining, swept volume, too path, verification

2 [Coordination order processing in decentralized production units using hierarchical simulation models and Web-technologies](#)



W. E. Lulay, G. Reinhart

 December 1998 **Proceedings of the 30th conference on Winter simulation**

Publisher: IEEE Computer Society Press

 Full text available: [pdf\(336.75 KB\)](#) Additional Information: [full citation](#), [references](#), [index terms](#)

3 [Discrete simulation of NC machining](#)



R. L. Drysdale, R. B. Jerard

 October 1987 **Proceedings of the third annual symposium on Computational geometry**

Publisher: ACM Press

 Full text available: [pdf\(1.21 MB\)](#) Additional Information: [full citation](#), [references](#), [citing](#), [index terms](#)

4 [Parallel processing for 2-1/2D machining simulation](#)



A. D. Spence, Z. Li

 May 2001 **Proceedings of the sixth ACM symposium on Solid modeling and applications**

Publisher: ACM Press

 Full text available: [pdf\(688.39 KB\)](#) Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

Continued progress in the area of solid modeler based machining process simulation is hindered by the complexity growth that occurs for a large number of tool paths n . For this reason, many researchers have adopted the Z-buffer approach. Boundary-representation (B-rep), however, remains the dominant choice for commercial modelers. This paper begins by reviewing the current state of solid modeler based machining simulation. Using an industrial example, the growth rate, for a simple feed ...

Keywords: computational geometry, machining simulation, parallel processing

5 Integrated solid modeler based solutions for machining



Allan D. Spence, Farid Abrari, M. A. Elbestawi

June 1999 **Proceedings of the fifth ACM symposium on Solid modeling and applications**

Publisher: ACM Press

Full text available: pdf(1.25 MB) Additional Information: [full citation](#), [references](#), [index terms](#)

Keywords: finite element analysis, machining simulation, online monitoring and control, solid modeling

6 Using simulation techniques to improve skeletal plans for the control of a vertical internal grinding machine

Barbara H. Roberts, David C. Brown

March 1989 **Proceedings of the 22nd annual symposium on Simulation ANSS '89**

Publisher: IEEE Computer Society Press

Full text available: pdf(756.16 KB) Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

This research investigates the use of simulation techniques for the improvement of skeletal plans selected by a planner. These plans are used for control of a vertical internal grinding machine. Plans are selected using a description of the grinding task. These plans reflect the machinist's grinding knowledge. Once selected the plan is instantiated with the proper parameter values. The instantiated plans are passed to the grinding simulation where simulated force sensor readings emulate rea ...

7 Real-world applications: papers: Optimizing of NC tool paths for five-axis milling using evolutionary algorithms on wavelets



Klaus Weinert, Andreas Zabel, Heinrich Müller, Petra Kersting

July 2006 **Proceedings of the 8th annual conference on Genetic and evolutionary computation GECCO '06**

Publisher: ACM Press

Full text available: pdf(1.03 MB) Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

Computer aided NC-path generation of five-axis milling using a standard CAM-system does usually not take machine dynamics and kinematics into account. This results in machine movements which are often not smooth enough and lead to a deficient surface quality. In order to reduce undesirable abrupt motion changes, an approach for optimizing the NC-path by using a standard evolution strategy is shown in this paper as well as first results of applying this algorithm to the five-axis milling process.

Keywords: application, evolution strategy, five-axis milling, mechanical engineering, wavelets

Future of simulation: Simulation in the international IMS MISSION project: the IMS MISSION architecture for distributed manufacturing simulation

Charles McLean, Frank Riddick


December 2000 **Proceedings of the 32nd conference on Winter simulation WSC '00**

Publisher: Society for Computer Simulation International

Full text available:  pdf(269.47 KB) Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#)

This paper presents an overview of a neutral reference architecture for integrating distributed manufacturing simulation systems with each other, with other manufacturing software applications, and with manufacturing data repositories. Other manufacturing software applications include, but are not limited to systems used to: 1) design products, 2) specify processes, 3) engineer manufacturing systems, and 4) manage production. The architecture identifies the software building blocks and interface ...

9 The role of simulation in operational planning and control of flexible machining cells


 Shahin Rahimifard, Stephen T. Newman

December 1995 **Proceedings of the 27th conference on Winter simulation**

Publisher: ACM Press

Full text available:  pdf(539.76 KB) Additional Information: [full citation](#), [references](#), [citations](#), [index terms](#)

10 Graphical techniques for output analysis


 David Alan Grier

December 1992 **Proceedings of the 24th conference on Winter simulation**

Publisher: ACM Press

Full text available:  pdf(592.46 KB) Additional Information: [full citation](#), [references](#), [citations](#), [index terms](#)

11 Poster Session: Application of feature technology to modeling and dimensioning the intermediate geometry of automotive powertrain components

 Madhumati Ramesh, Debasish Dutta, Nagesh Belludi, Derek Yip-Hoi, Paul Wascher

June 2002 **Proceedings of the seventh ACM symposium on Solid modeling and applications**

Publisher: ACM Press

Full text available:  pdf(409.66 KB) Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

Intermediate parts occur in between process steps during machining. In case of parts produced in high volumes, a detail documentation of intermediate geometry is required for the knowledge of operators, for gauging, as a specification for tooling design and for offline CMM programming & simulation. Currently, manually created approximate 2D drawings and/or manually created 3D models are used for representing the intermediate geometry. The commercial process planning systems provide NC code simul ...

Keywords: features, process planning, solid modeling

12 Future of simulation: The expanding role of simulation in future manufacturing

Charles McLean, Swee Leong

December 2001 **Proceedings of the 33rd conference on Winter simulation**

Publisher: IEEE Computer Society

Full text available:  pdf(224.92 KB) Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

Simulation technology holds tremendous promise for reducing costs, improving quality, and shortening the time-to-market for manufactured goods. Unfortunately, this technology

still remains largely underutilized by industry today. This paper suggests benefits to industry resulting from the widespread, pervasive implementation of manufacturing simulation technology. Potential simulation impact areas are closely intertwined with strategic manufacturing. Yet, a number of factors currently inhibit th ...

13 Virtual reality and simulation



Martin Barnes

November 1996 **Proceedings of the 28th conference on Winter simulation**

Publisher: ACM Press

Full text available: [pdf\(993.23 KB\)](#) Additional Information: [full citation](#), [references](#)



14 Integrating distributed simulation objects



Joseph A. Heim

December 1997 **Proceedings of the 29th conference on Winter simulation**

Publisher: ACM Press

Full text available: [pdf\(795.47 KB\)](#) Additional Information: [full citation](#), [references](#), [citings](#), [index terms](#)



15 Generating swept solids for NC verification using the SEDE method



Liping Wang, Ming C. Leu, Denis Blackmore

May 1997 **Proceedings of the fourth ACM symposium on Solid modeling and applications**

Publisher: ACM Press

Full text available: [pdf\(1.32 MB\)](#) Additional Information: [full citation](#), [references](#), [citings](#), [index terms](#)



Keywords: API tool, general 7-parameter, multi-axis NC machining, solid modeling, swept volume

16 Simulation practices in manufacturing



Van B. Norman, Frank Gudan, Stephen K. Halladin, Jerry G. Fox, Kenneth Main, Hwa Sung Na, Cindy Schiess

December 1993 **Proceedings of the 25th conference on Winter simulation**

Publisher: ACM Press

Full text available: [pdf\(703.65 KB\)](#) Additional Information: [full citation](#)



17 The key to object-oriented simulation: separating the user and the developer



Pete Ball, Doug Love

December 1995 **Proceedings of the 27th conference on Winter simulation**

Publisher: ACM Press

Full text available: [pdf\(688.28 KB\)](#) Additional Information: [full citation](#), [references](#), [index terms](#)



18 Simulation practices in manufacturing




Van B. Norman

December 1992 **Proceedings of the 24th conference on Winter simulation**

Publisher: ACM Press



Full text available:  pdf(786.96 KB) Additional Information: [full citation](#), [citings](#), [index terms](#)

- 19 Semiconductor manufacturing: semiconductor factory scheduling and control: Intelligent simulation-based lot scheduling of photolithography toolsets in a wafer fabrication facility 

Amr Arisha, Paul Young

December 2004 **Proceedings of the 36th conference on Winter simulation WSC '04**

Publisher: Winter Simulation Conference

Full text available:  pdf(436.55 KB) Additional Information: [full citation](#), [abstract](#), [references](#)

Scheduling of a semiconductor manufacturing facility is one of the most complex tasks encountered. Confronted with a high technology product market, semiconductor manufacturing is increasingly more dynamic and competitive in the introduction of new products in shorter time intervals. Photolithography, being one of the processes repeated often, is a fabrication bottleneck. Lot scheduling within photolithography is a challenging activity where substantial improvements in factory performance can be ...

- 20 Analysis methodology: Issues on simulation and optimization I: optimal experimental design for systems involving both quantitative and qualitative factors 

Navara Chantararat, Ning Zheng, Theodore T. Allen, Deng Huang

December 2003 **Proceedings of the 35th conference on Winter simulation: driving innovation**

Publisher: Winter Simulation Conference

Full text available:  pdf(611.20 KB) Additional Information: [full citation](#), [abstract](#), [references](#)

Often in discrete-event simulation, factors being considered are qualitative such as machine type, production method, job release policy, and factory layout type. It is also often of interest to create a Response Surface (RS) metamodel for visualization of input-output relationships. Several methods have been proposed in the literature for RS metamodeling with qualitative factors but the resulting metamodels may be expected to predict poorly because of sensitivity to misspecification or bias. ...

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☐ 1. Document ID: US 20060097384 A1

L3: Entry 1 of 9

File: PGPB

May 11, 2006

PGPUB-DOCUMENT-NUMBER: 20060097384

PGPUB-FILING-TYPE:

DOCUMENT-IDENTIFIER: US 20060097384 A1

TITLE: Method and apparatus for thermal characterization under non-uniform heat load

PUBLICATION-DATE: May 11, 2006

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY
<u>Hamann</u> ; Hendrik F.	Yorktown Heights	NY	US
Iyengar; Madhusudan K.	Kingston	NY	US
Lacey; James A.	Mahopac	NY	US
Schmidt; Roger R.	Poughkeepsie	NY	US

US-CL-CURRENT: 257/714

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Draw. Des
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☐ 2. Document ID: US 20040225484 A1

L3: Entry 2 of 9

File: PGPB

Nov 11, 2004

PGPUB-DOCUMENT-NUMBER: 20040225484

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20040225484 A1

TITLE: Measuring and simulation system for machine-tools or production machines

PUBLICATION-DATE: November 11, 2004

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY
<u>Hamann</u> , Jens	Furth		DE

US-CL-CURRENT: 703/6; 700/180, 700/83

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Draw. De
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☐ 3. Document ID: US 20040144177 A1

L3: Entry 3 of 9

File: PGPB

Jul 29, 2004

PGPUB-DOCUMENT-NUMBER: 20040144177

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20040144177 A1

TITLE: Method and device for the diagnosis of characteristic vibrations in a mechatronic system

PUBLICATION-DATE: July 29, 2004

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY
Flock, Thomas	Falkendorf		DE
<u>Hamann</u> , Jens	Furth.		DE

US-CL-CURRENT: 73/660

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Draw. De
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☐ 4. Document ID: US 20020101812 A1

L3: Entry 4 of 9

File: PGPB

Aug 1, 2002

PGPUB-DOCUMENT-NUMBER: 20020101812

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20020101812 A1

TITLE: Assembly suitable for reading data based on thermal coupling

PUBLICATION-DATE: August 1, 2002

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY
Wickramasinghe, Hemantha Kumar	Chappaqua	NY	US
<u>Hamann</u> , Hendrik F.	Mohegan Lake	NY	US
Martin, Yves	Ossining	NY	US

US-CL-CURRENT: 369/99; 369/101, 369/126

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Draw. De
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☐ 5. Document ID: US 7032453 B2

L3: Entry 5 of 9

File: USPT

Apr 25, 2006

US-PAT-NO: 7032453
DOCUMENT-IDENTIFIER: US 7032453 B2

TITLE: Method and apparatus for the diagnosis of natural vibrations in a mechatronic system

DATE-ISSUED: April 25, 2006

PRIOR-PUBLICATION:

DOC-ID	DATE
US 20040144177 A1	July 29, 2004

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Flock; Thomas	Falkendorf			DE
<u>Hamann</u> ; Jens	Furth			DE

US-CL-CURRENT: 73/664; 248/550

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KMC	Draw De
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☐ 6. Document ID: US 6757235 B2

L3: Entry 6 of 9

File: USPT

Jun 29, 2004

US-PAT-NO: 6757235
DOCUMENT-IDENTIFIER: US 6757235 B2

TITLE: Assembly suitable for reading data based on thermal coupling

DATE-ISSUED: June 29, 2004

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Wickramasinghe; Hemantha Kumar	Chappaqua	NY		
<u>Hamann</u> ; Hendrik F.	Mohegan Lake	NY		
Martin; Yves	Ossining	NY		

US-CL-CURRENT: 369/99; 369/126, 369/13.33

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KMC	Draw De
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☐ 7. Document ID: US 6516357 B1

L3: Entry 7 of 9

File: USPT

Feb 4, 2003

US-PAT-NO: 6516357
DOCUMENT-IDENTIFIER: US 6516357 B1

TITLE: System for accessing virtual smart cards for smart card application and data

carrier

DATE-ISSUED: February 4, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
<u>Hamann</u> ; Ernst-Michael	Boeblingen			DE
Schaeck; Thomas	Achern			DE
Sulzmann; Robert	Hartgerfingen			DE

US-CL-CURRENT: 710/2; 709/229, 710/301, 710/62, 711/203, 713/193

Full	Title	Citation	Front	Review	Classification	Date	Reference	Examinations	Prosecutions	Claims	KMC	Drawings
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☐ 8. Document ID: US 6433310 B1

L3: Entry 8 of 9

File: USPT

Aug 13, 2002

US-PAT-NO: 6433310

DOCUMENT-IDENTIFIER: US 6433310 B1

TITLE: Assembly suitable for reading/writing/erasing information on a media based on thermal coupling

DATE-ISSUED: August 13, 2002

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Wickramasinghe; Hemantha Kumar	Chappaqua	NY		
<u>Hamann</u> ; Hendrik F.	Mohegan Lake	NY		
Martin; Yves	Ossining	NY		

US-CL-CURRENT: 219/216; 219/388, 219/494, 219/510, 365/108, 369/127, 369/135

Full	Title	Citation	Front	Review	Classification	Date	Reference	Examinations	Prosecutions	Claims	KMC	Drawings
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☐ 9. Document ID: US 4293582 A

L3: Entry 9 of 9

File: USPT

Oct 6, 1981

US-PAT-NO: 4293582

DOCUMENT-IDENTIFIER: US 4293582 A

**** See image for Certificate of Correction ****

TITLE: Potato dough with process oil for formed and extruded potato products

DATE-ISSUED: October 6, 1981

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
------	------	-------	----------	---------

Hamann; Michael L. Caldwell ID
Pinegar; Richard K. Caldwell ID

US-CL-CURRENT: 426/637; 426/808

Full	Title	Citation	Front	Review	Classification	Date	Reference	Generate Refs	Generate Refs	Claims	KWOC	Draw D
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TOOLS	334466
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SIMULATA	7
SIMULATABILITY	5
SIMULATABLE	184
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SIMULATAING	1
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L4: Entry 1 of 5

File: PGPB

Nov 11, 2004

PGPUB-DOCUMENT-NUMBER: 20040225484

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20040225484 A1

TITLE: Measuring and simulation system for machine-tools or production machines

PUBLICATION-DATE: November 11, 2004

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY
Hamann, Jens	Furth		DE

US-CL-CURRENT: 703/6; 700/180, 700/83

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Draw De
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☐ 2. Document ID: US 4395904 A

L4: Entry 2 of 5

File: USPT

Aug 2, 1983

US-PAT-NO: 4395904

DOCUMENT-IDENTIFIER: US 4395904 A

TITLE: Device for damping oscillations

DATE-ISSUED: August 2, 1983

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Ivanov, Gely M.	Moscow			SU
Novikov, Vladislav I.	Ljubertsy Moskovskoi oblasti			SU
Khmelev, Vladimir V.	Ljubertsy Moskovskoi oblasti			SU

US-CL-CURRENT: 73/118.1; 318/617

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Draw De
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☐ 3. Document ID: US 4267496 A

L4: Entry 3 of 5

File: USPT

May 12, 1981

US-PAT-NO: 4267496

DOCUMENT-IDENTIFIER: US 4267496 A

TITLE: Device for damping oscillations

DATE-ISSUED: May 12, 1981

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Ivanov; Gely M.	Moscow			SU
Novikov; Vladislav I.	Ljubertsy Moskovskoi oblasti			SU
Khmelev; Vladimir V.	Ljubertsy Moskovskoi oblasti			SU

US-CL-CURRENT: 318/615; 318/621

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequence	Attachment	Claims	KWMC	Draw De
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☐ 4. Document ID: US 3988532 A

L4: Entry 4 of 5

File: USPT

Oct 26, 1976

US-PAT-NO: 3988532

DOCUMENT-IDENTIFIER: US 3988532 A

TITLE: Arrangement for compensating duty factor variations in an optical video disc

DATE-ISSUED: October 26, 1976

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Korpel; Adrianus	Prospect Heights	IL		

US-CL-CURRENT: 386/93; 369/109.01, 369/124.04, 369/47.17, 369/47.26, 369/61,
386/113

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequence	Attachment	Claims	KWMC	Draw De
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☐ 5. Document ID: US 3988531 A

L4: Entry 5 of 5

File: USPT

Oct 26, 1976

US-PAT-NO: 3988531

DOCUMENT-IDENTIFIER: US 3988531 A

TITLE: System for compensating for incorrect duty factor when reading out
information stored in a video disc

DATE-ISSUED: October 26, 1976

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Laub; Leonard J.	Chicago	IL		

US-CL-CURRENT: 386/85; 369/109.01, 369/124.04, 369/124.14, 369/47.17, 369/60.01,
369/61

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWC	Draw D
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Term	Documents
AMPLITUDE-FREQUENCY	669
AMPLITUDE-FREQUENCIES	0
AMPLITUDE-FREQUENCYS	0
SIMULAT\$	0
SIMULAT	24
SIMULATA	7
SIMULATABILITY	5
SIMULATABLE	184
SIMULATAEOUSLY	1
SIMULATAING	1
SIMULATANEITY	2
(SIMULAT\$ AND (AMPLITUDE-FREQUENCY WITH CURVE?)).PGPB,USPT.	5

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☐ 1. Document ID: US 20060262876 A1

L6: Entry 1 of 9

File: PGPB

Nov 23, 2006

PGPUB-DOCUMENT-NUMBER: 20060262876

PGPUB-FILING-TYPE:

DOCUMENT-IDENTIFIER: US 20060262876 A1

TITLE: Wave matrix mechanics method & apparatus

PUBLICATION-DATE: November 23, 2006

INVENTOR-INFORMATION:

NAME

CITY

STATE

COUNTRY

LaDue; Christoph Karl

Brighton Beach

AU

US-CL-CURRENT: 375/295

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Draw. De
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☐ 2. Document ID: US 20040233461 A1

L6: Entry 2 of 9

File: PGPB

Nov 25, 2004

PGPUB-DOCUMENT-NUMBER: 20040233461

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20040233461 A1

TITLE: Methods and apparatus for measuring orientation and distance

PUBLICATION-DATE: November 25, 2004

INVENTOR-INFORMATION:

NAME

CITY

STATE

COUNTRY

Armstrong, Brian S.

Shorewood

WI

US

Schmidt, Karl B.

Wauwatosa

WI

US

US-CL-CURRENT: 356/620

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Draw. De
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☐ 3. Document ID: US 20040225484 A1

L6: Entry 3 of 9

File: PGPB

Nov 11, 2004

PGPUB-DOCUMENT-NUMBER: 20040225484
PGPUB-FILING-TYPE: new
DOCUMENT-IDENTIFIER: US 20040225484 A1

TITLE: Measuring and simulation system for machine-tools or production machines

PUBLICATION-DATE: November 11, 2004

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY
Hamann, Jens	Furth		DE

US-CL-CURRENT: 703/6; 700/180, 700/83

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Draw D
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☐ 4. Document ID: US 20040051197 A1

L6: Entry 4 of 9

File: PGPB

Mar 18, 2004

PGPUB-DOCUMENT-NUMBER: 20040051197
PGPUB-FILING-TYPE: new
DOCUMENT-IDENTIFIER: US 20040051197 A1

TITLE: Compaction device for compacting moulded bodies from granular substances and method for using said device

PUBLICATION-DATE: March 18, 2004

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY
Bald, Hubert	Bad Berleburg		DE

US-CL-CURRENT: 264/69; 264/319, 425/421

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Draw D
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☐ 5. Document ID: US 7025583 B2

L6: Entry 5 of 9

File: USPT

Apr 11, 2006

US-PAT-NO: 7025583
DOCUMENT-IDENTIFIER: US 7025583 B2

TITLE: Compaction device for compacting moulded bodies from granular substances and method for using said device

DATE-ISSUED: April 11, 2006

PRIOR-PUBLICATION:

DOC-ID	DATE
US 20040051197 A1	March 18, 2004

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Bald; Hubert	Bad Berleburg			DE

US-CL-CURRENT: 425/255; 425/421, 425/424, 425/432, 425/456

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWMC	Draw De
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☐ 6. Document ID: US 6281650 B1

L6: Entry 6 of 9

File: USPT

Aug 28, 2001

US-PAT-NO: 6281650

DOCUMENT-IDENTIFIER: US 6281650 B1

TITLE: Method and apparatus for tuning control system parameters

DATE-ISSUED: August 28, 2001

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Yutkowitz; Stephen J.	Hamilton County	OH		

US-CL-CURRENT: 318/561; 318/568.1, 318/610

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWMC	Draw De
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☐ 7. Document ID: US 6259221 B1

L6: Entry 7 of 9

File: USPT

Jul 10, 2001

US-PAT-NO: 6259221

DOCUMENT-IDENTIFIER: US 6259221 B1

TITLE: Method and apparatus for tuning motion control system parameters

DATE-ISSUED: July 10, 2001

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Yutkowitz; Stephen J.	Hamilton County	OH		

US-CL-CURRENT: 318/561; 318/568.1, 318/606, 318/607, 318/610, 318/696

Full	Title	Citation	Front	Review	Classification	Date	Reference	Generate	Attachments	Claims	KWIC	Draw De
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☐ 8. Document ID: US 6198246 B1

L6: Entry 8 of 9

File: USPT

Mar 6, 2001

US-PAT-NO: 6198246

DOCUMENT-IDENTIFIER: US 6198246 B1

TITLE: Method and apparatus for tuning control system parameters

DATE-ISSUED: March 6, 2001

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Yutkowitz; Stephen J.	Hamilton County	OH		

US-CL-CURRENT: 318/561; 318/568.1, 318/610, 318/616

Full	Title	Citation	Front	Review	Classification	Date	Reference	Generate	Attachments	Claims	KWIC	Draw De
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☐ 9. Document ID: US 4763058 A

L6: Entry 9 of 9

File: USPT

Aug 9, 1988

US-PAT-NO: 4763058

DOCUMENT-IDENTIFIER: US 4763058 A

TITLE: Method and apparatus for determining the flux angle of rotating field machine or for position-oriented operation of the machine

DATE-ISSUED: August 9, 1988

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Heining; Hans-Dieter	Rednitzhembach			DE
Wick; Albert	Baiersdorf			DE

US-CL-CURRENT: 318/807; 318/798, 318/803, 324/772

Full	Title	Citation	Front	Review	Classification	Date	Reference	Generate	Attachments	Claims	KWIC	Draw De
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Term	Documents
MACHINE	962284
MACHINES	454922